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FIGURE 1

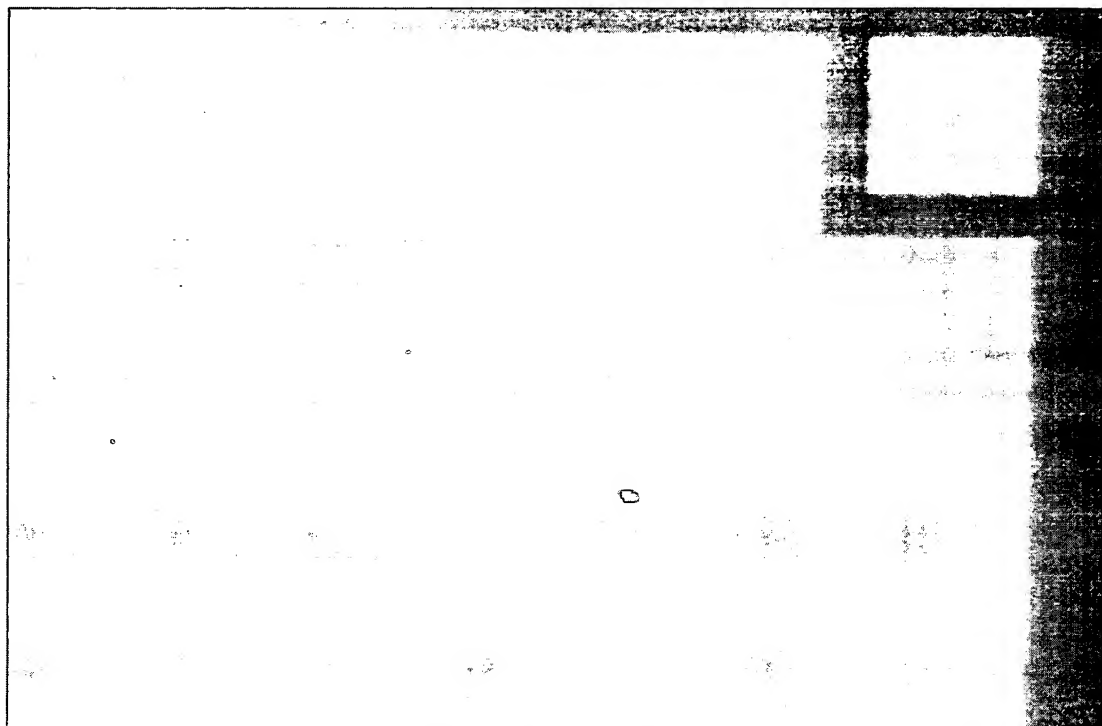
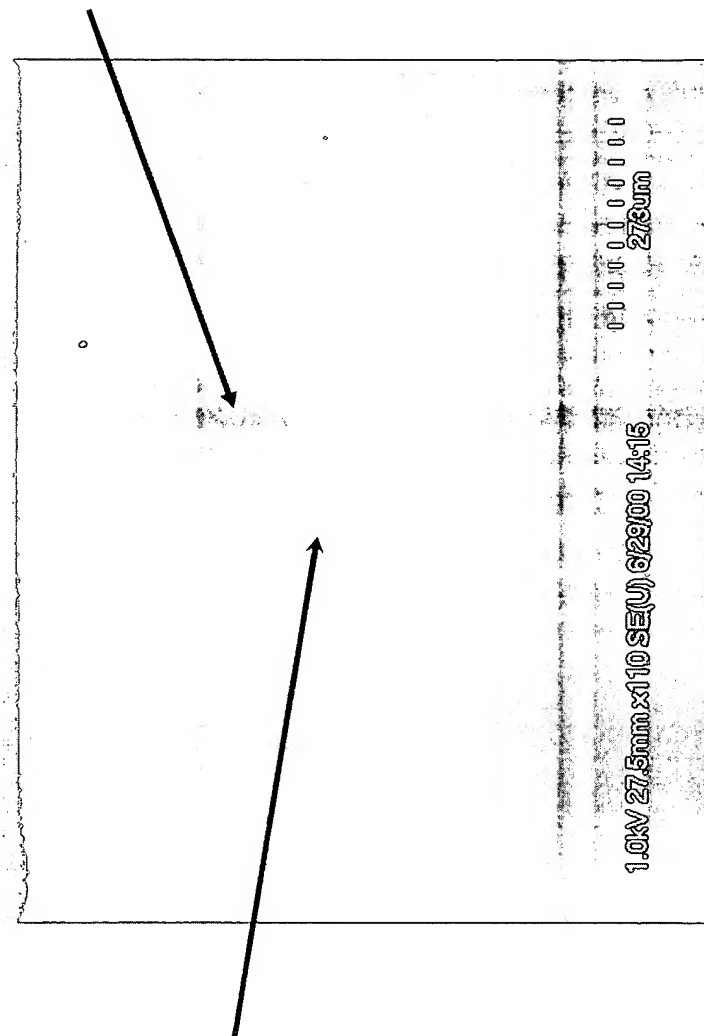




FIGURE 2

Exposed twice



No Photo-
lithography

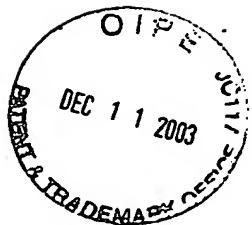


FIGURE 3

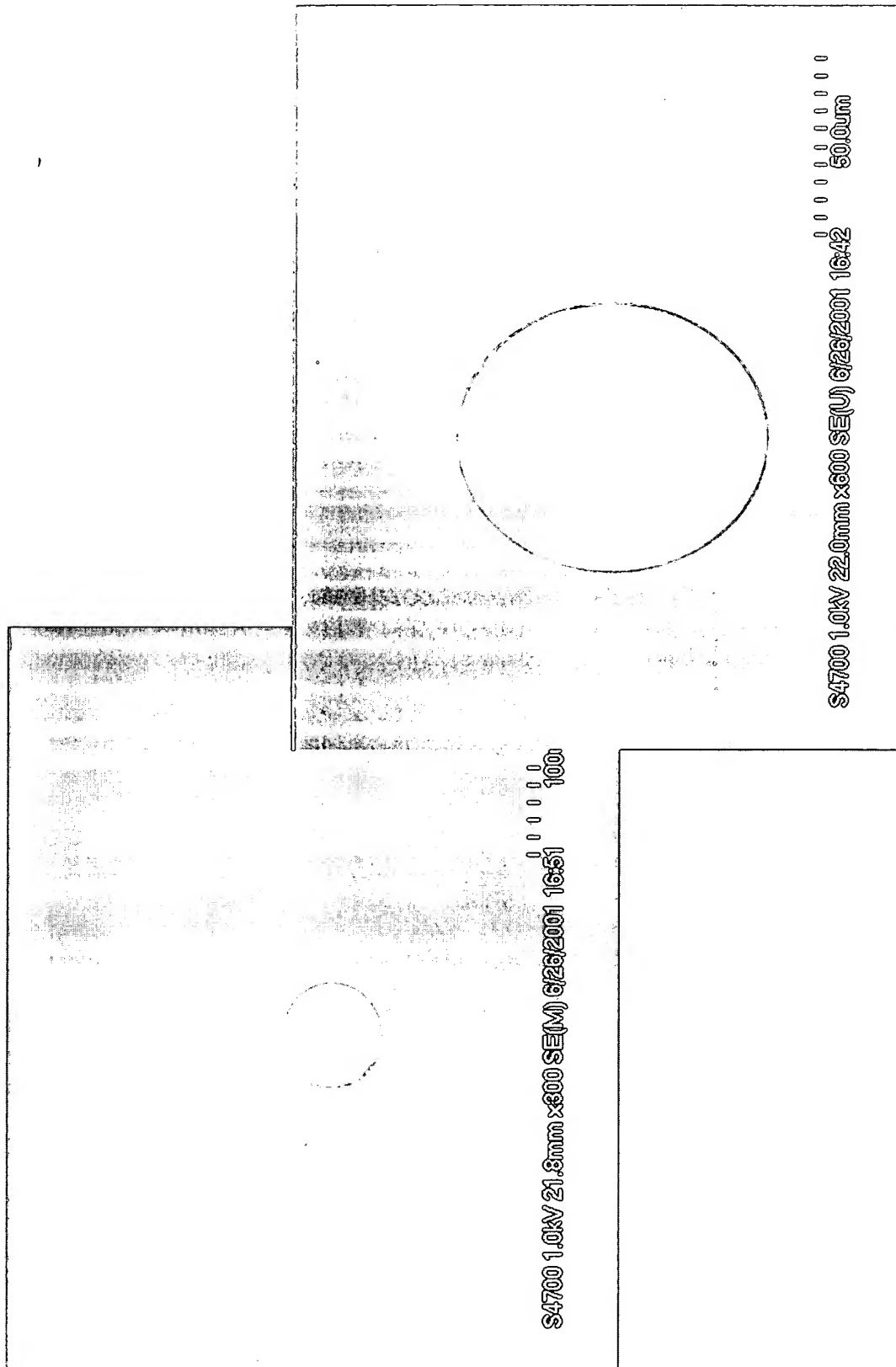
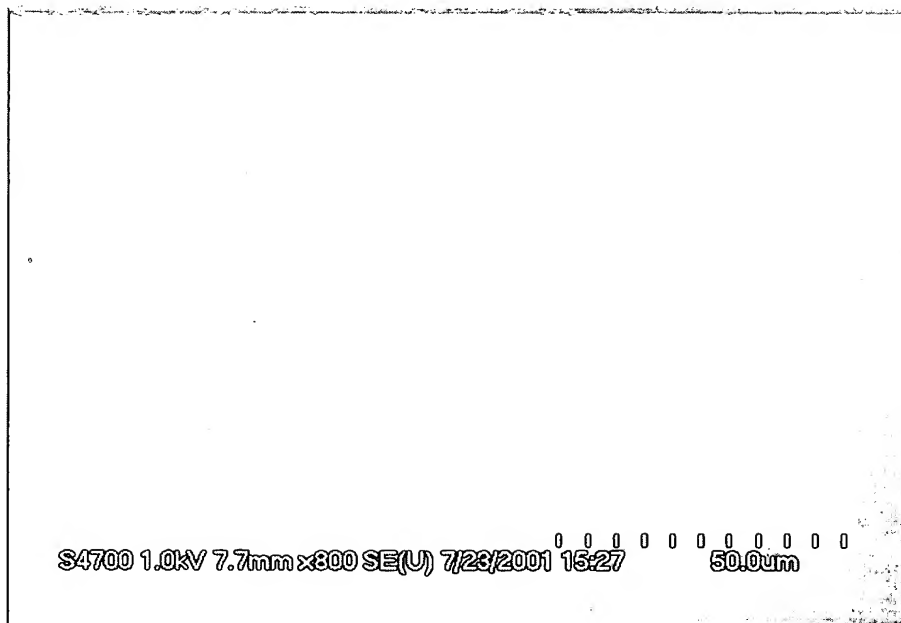




Figure 4



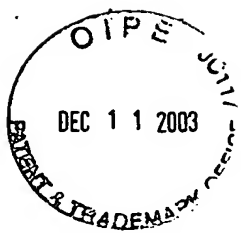


FIGURE 5

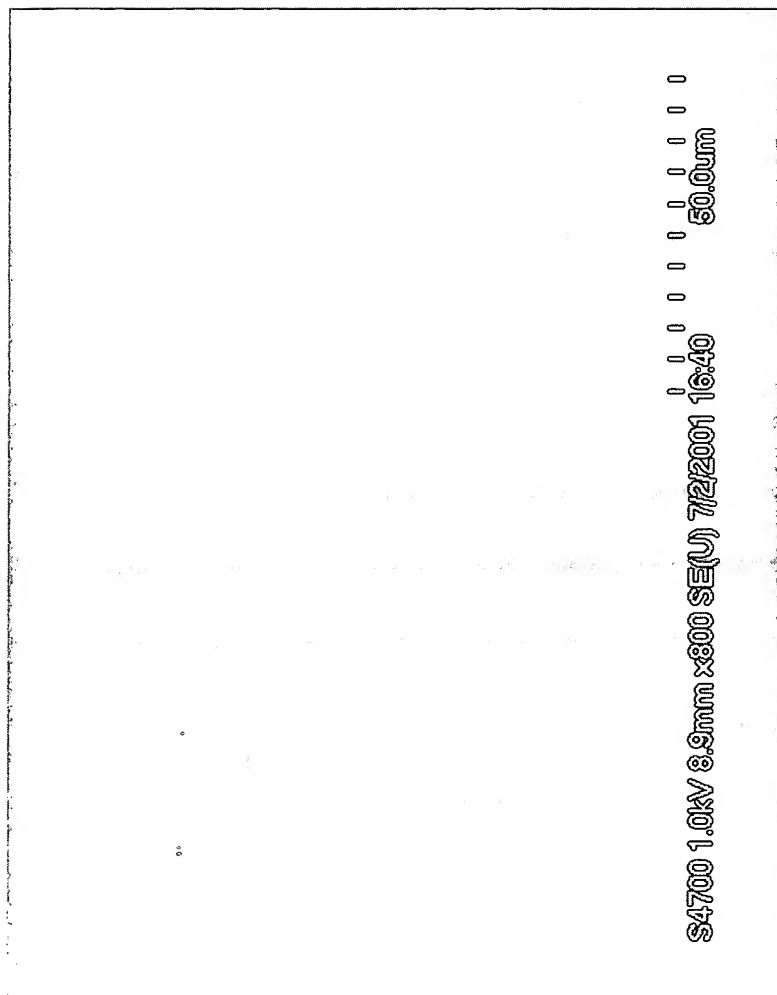
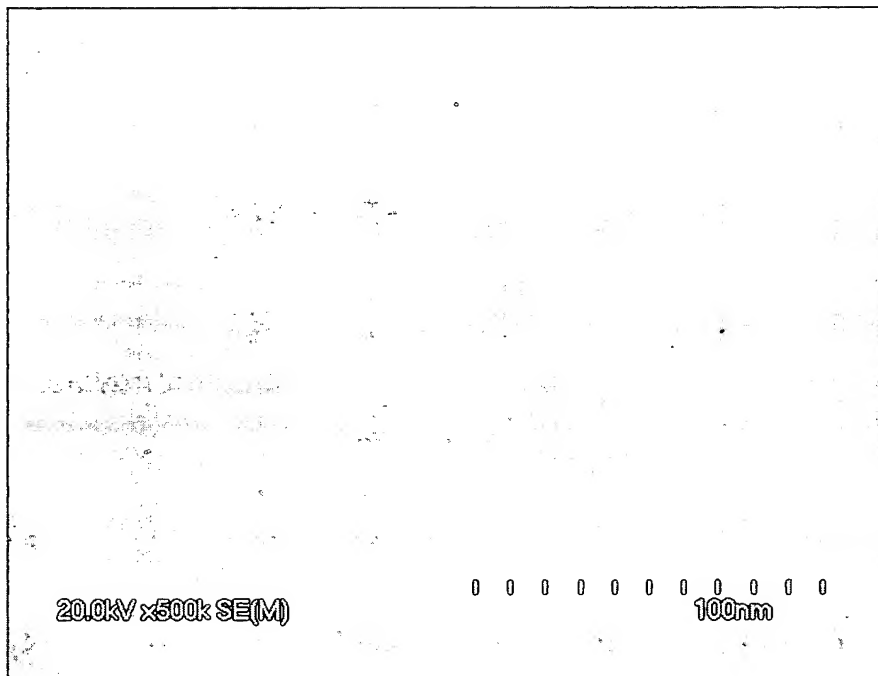




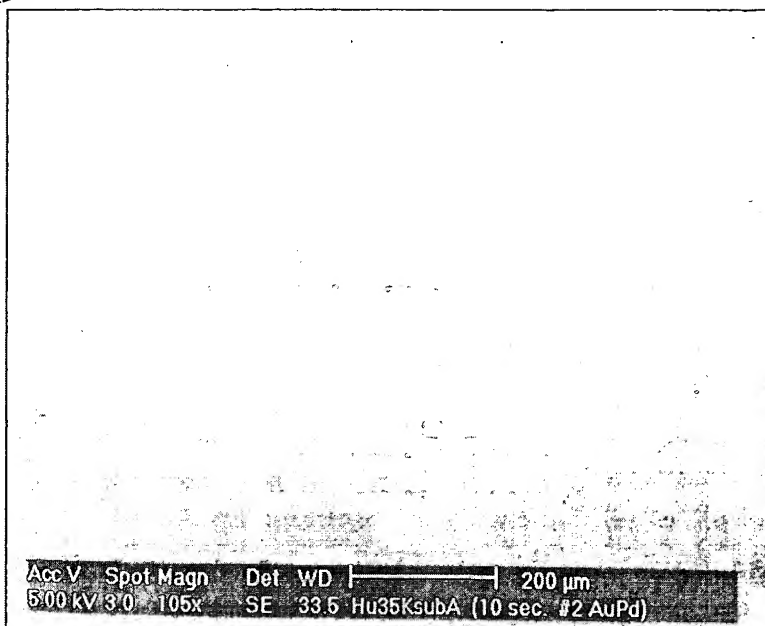
FIGURE 6



High magnification
SEM image of gold
nanospheres on glass

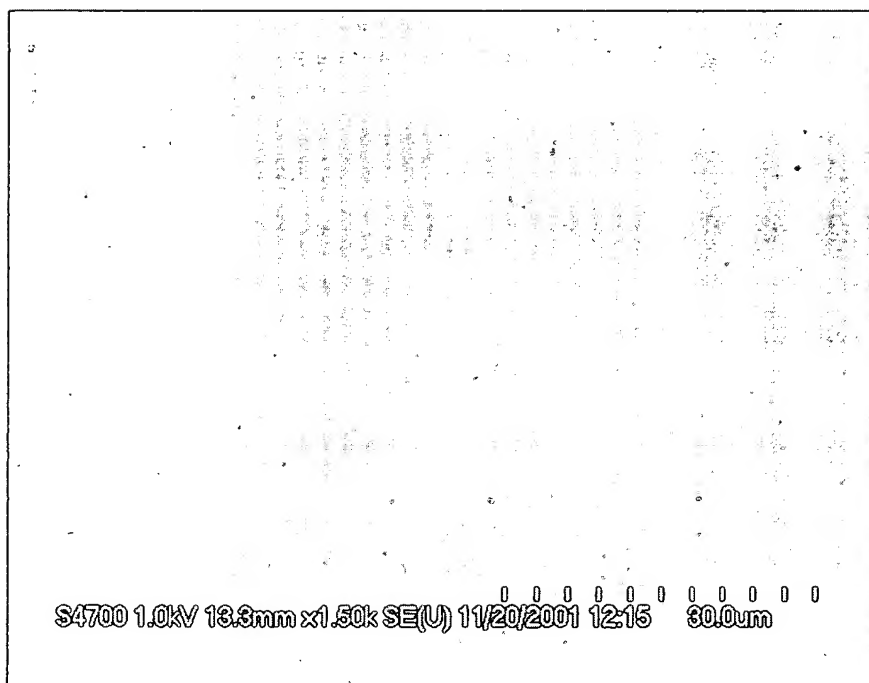


FIGURE 7



SEM image of
unhybridized GeneChip®
DNA microarray.

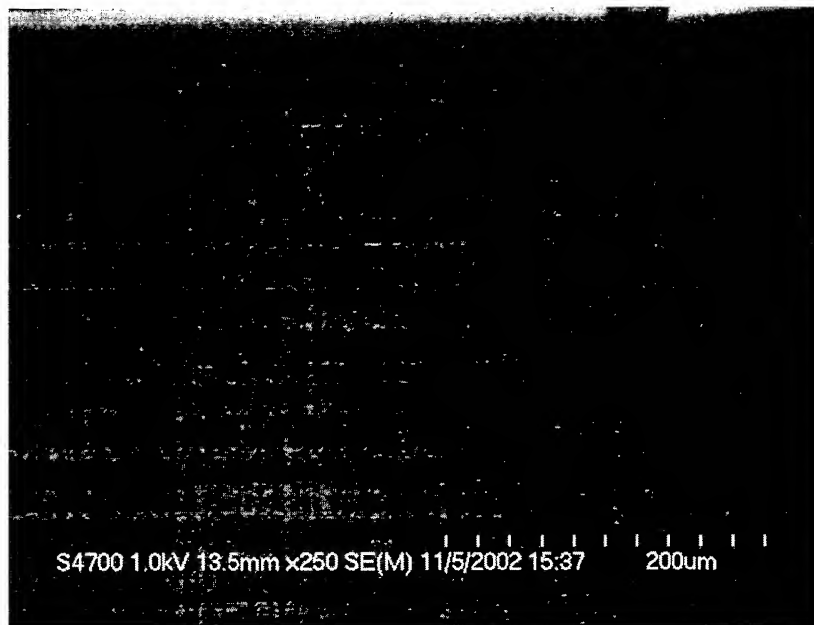
FIGURE 8



SEM image of
photolithographic
resolution lines on an
unhybridized GeneChip®
DNA microarray.

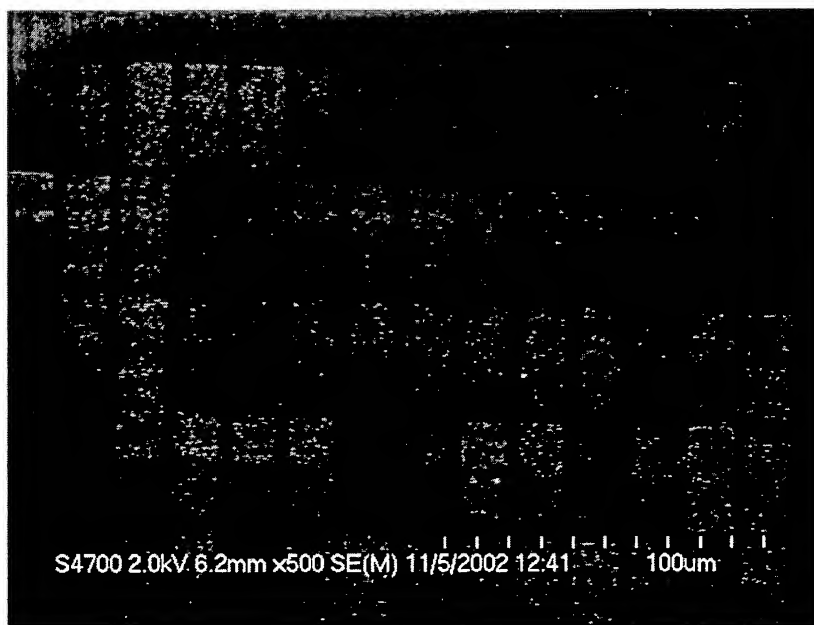


FIGURE 9



Low magnification
SEM image of
streptavidin-gold
labeled target in
complex background

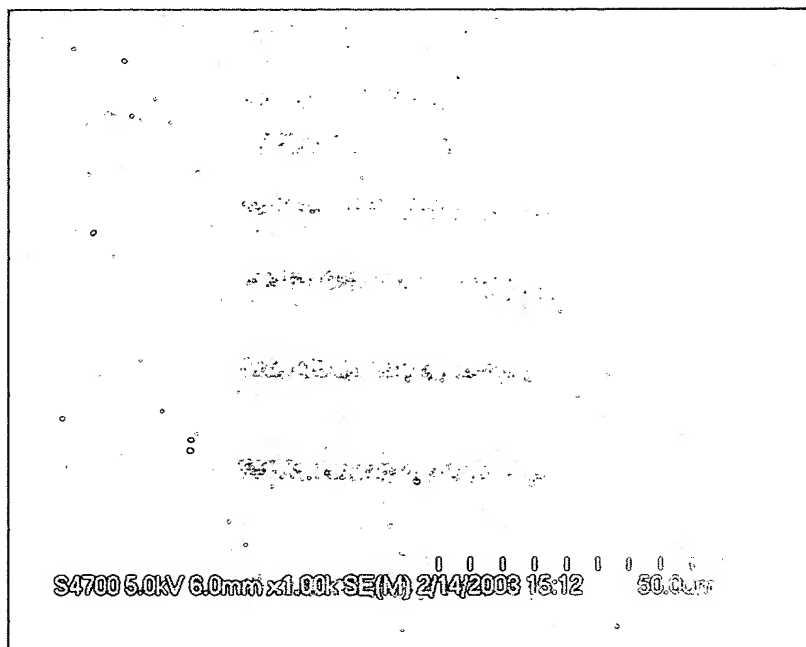
FIGURE 10



Low magnification SEM
image of streptavidin-gold
labeled target in complex
background

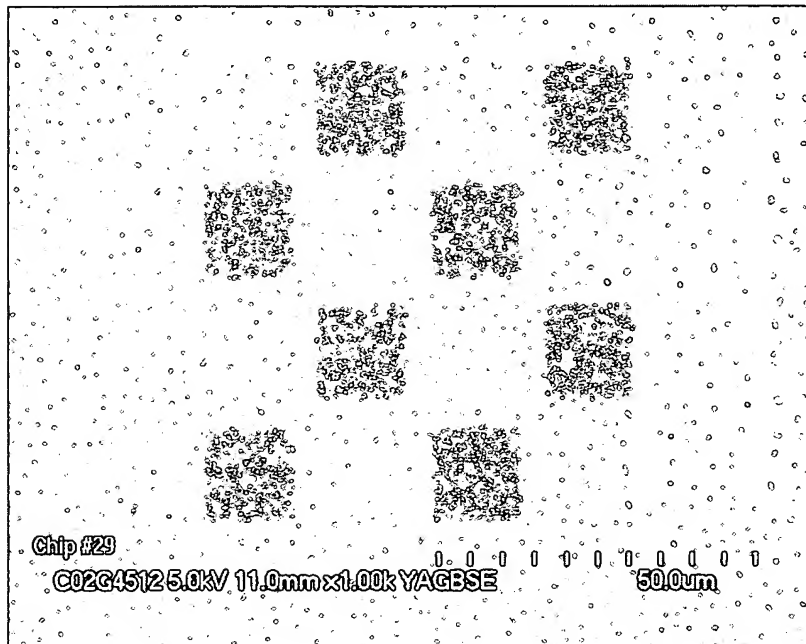


FIGURE 11



SEM image of
photolithographic
resolution lines labeled
with streptavidin-gold.

FIGURE 12



Backscattered electron
image of checkerboard
patterned streptavidin-
gold labeled target.